

GenInfo version 4.5  
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ON PROPERTIES OF THE GROUP OF PROBABILITIES

Rate	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	Total (without alignments)
	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	13.530 Million cell updates/sec

Title:	2S-09-386-591-50
Perfect score:	136
Sequence:	1 LDGCLIQMFGPKHILVPLQSL 29

Scoring table: RLCSUM62

SEARCHED \_\_\_\_\_ INDEXED \_\_\_\_\_  
SERIALIZED \_\_\_\_\_ FILED \_\_\_\_\_  
MAR 19 1964  
FBI - MEMPHIS

Da+abase : Issued\_Pa+opts\_AA:\*

word size

	Number of bills that pass the threshold	1907-19
1: 60% of 100 = 60 bills in 100-MR conf.	8	
2: 60% of 100 = 60 bills in 100-MR conf.	1	
3: 60% of 100 = 60 bills in 100-MR conf.	0	
4: 60% of 100 = 60 bills in 100-MR conf.	0	

pred. No. is the number of possible good and bad scores. A score greater than or equal to the sum of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIES

Result	Score	Order	Item	App
1	4	1	Sequence 1	App1
2	4	2	Sequence 2	App1
3	4	3	Sequence 3	App1
4	4	4	Sequence 4	App1
5	4	5	Sequence 5	App1
6	4	6	Sequence 6	App1
7	4	7	Sequence 7	App1
8	4	8	Sequence 8	App1
9	4	9	Sequence 9	App1
10	4	10	Sequence 10	App1
11	4	11	Sequence 11	App1
12	4	12	Sequence 12	App1
13	4	13	Sequence 13	App1
14	4	14	Sequence 14	App1
15	4	15	Sequence 15	App1
16	4	16	Sequence 16	App1
17	4	17	Sequence 17	App1
18	4	18	Sequence 18	App1
19	4	19	Sequence 19	App1
20	4	20	Sequence 20	App1
21	4	21	Sequence 21	App1
22	4	22	Sequence 22	App1
23	4	23	Sequence 23	App1
24	4	24	Sequence 24	App1
25	4	25	Sequence 25	App1
26	4	26	Sequence 26	App1
27	4	27	Sequence 27	App1
28	4	28	Sequence 28	App1
29	4	29	Sequence 29	App1
30	4	30	Sequence 30	App1
31	4	31	Sequence 31	App1
32	4	32	Sequence 32	App1
33	4	33	Sequence 33	App1
34	4	34	Sequence 34	App1
35	4	35	Sequence 35	App1

6	28.7	1.65	1	0.0	0.8	3.5	-0.7	1	Sequence 9	App1
5	28.7	1.50	1	0.0	0.8	3.5	-4.3	9	Sequence 9	App1
4	28.7	1.50	1	0.0	0.8	3.5	-4.3	10	Sequence 10	App1
3	28.7	1.50	1	0.0	0.8	3.5	-4.3	11	Sequence 11	App1
2	28.7	1.50	1	0.0	0.8	3.5	-4.3	12	Sequence 12	App1
1	28.7	1.50	1	0.0	0.8	3.5	-4.3	13	Sequence 13	App1
0	28.7	1.50	1	0.0	0.8	3.5	-4.3	14	Sequence 14	App1
-1	28.7	1.50	1	0.0	0.8	3.5	-4.3	15	Sequence 15	App1
-2	28.7	1.50	1	0.0	0.8	3.5	-4.3	16	Sequence 16	App1
-3	28.7	1.50	1	0.0	0.8	3.5	-4.3	17	Sequence 17	App1
-4	28.7	1.50	1	0.0	0.8	3.5	-4.3	18	Sequence 18	App1
-5	28.7	1.50	1	0.0	0.8	3.5	-4.3	19	Sequence 19	App1
-6	28.7	1.50	1	0.0	0.8	3.5	-4.3	20	Sequence 20	App1
-7	28.7	1.50	1	0.0	0.8	3.5	-4.3	21	Sequence 21	App1
-8	28.7	1.50	1	0.0	0.8	3.5	-4.3	22	Sequence 22	App1
-9	28.7	1.50	1	0.0	0.8	3.5	-4.3	23	Sequence 23	App1
-10	28.7	1.50	1	0.0	0.8	3.5	-4.3	24	Sequence 24	App1
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-13	28.7	1.50	1	0.0	0.8	3.5	-4.3	27	Sequence 27	App1
-14	28.7	1.50	1	0.0	0.8	3.5	-4.3	28	Sequence 28	App1
-15	28.7	1.50	1	0.0	0.8	3.5	-4.3	29	Sequence 29	App1
-16	28.7	1.50	1	0.0	0.8	3.5	-4.3	30	Sequence 30	App1
-17	28.7	1.50	1	0.0	0.8	3.5	-4.3	31	Sequence 31	App1
-18	28.7	1.50	1	0.0	0.8	3.5	-4.3	32	Sequence 32	App1
-19	28.7	1.50	1	0.0	0.8	3.5	-4.3	33	Sequence 33	App1
-20	28.7	1.50	1	0.0	0.8	3.5	-4.3	34	Sequence 34	App1
-21	28.7	1.50	1	0.0	0.8	3.5	-4.3	35	Sequence 35	App1
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-25	28.7	1.50	1	0.0	0.8	3.5	-4.3	39	Sequence 39	App1
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-30	28.7	1.50	1	0.0	0.8	3.5	-4.3	44	Sequence 44	App1
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-34	28.7	1.50	1	0.0	0.8	3.5	-4.3	48	Sequence 48	App1
-35	28.7	1.50	1	0.0	0.8	3.5	-4.3	49	Sequence 49	App1
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-40	28.7	1.50	1	0.0	0.8	3.5	-4.3	54	Sequence 54	App1
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-45	28.7	1.50	1	0.0	0.8	3.5	-4.3	59	Sequence 59	App1
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-49	28.7	1.50	1	0.0	0.8	3.5	-4.3	63	Sequence 63	App1
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-54	28.7	1.50	1	0.0	0.8	3.5	-4.3	68	Sequence 68	App1
-55	28.7	1.50	1	0.0	0.8	3.5	-4.3	69	Sequence 69	App1
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-60	28.7	1.50	1	0.0	0.8	3.5	-4.3	74	Sequence 74	App1
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-83	28.7	1.50	1	0.0	0.8	3.5	-4.3	97	Sequence 97	App1
-84	28.7	1.50	1	0.0	0.8	3.5	-4.3	98	Sequence 98	App1
-85	28.7	1.50	1	0.0	0.8	3.5	-4.3	99	Sequence 99	App1
-86	28.7	1.50	1	0.0	0.8	3.5	-4.3	100	Sequence 100	App1
-87	28.7	1.50	1	0.0	0.8	3.5	-4.3	101	Sequence 101	App1
-88	28.7	1.50	1	0.0	0.8	3.5	-4.3	102	Sequence 102	App1
-89	28.7	1.50	1	0.0	0.8	3.5	-4.3	103	Sequence 103	App1
-90	28.7	1.50	1	0.0	0.8	3.5	-4.3	104	Sequence 104	App1
-91	28.7	1.50	1	0.0	0.8	3.5	-4.3	105	Sequence 105	App1
-92	28.7	1.50	1	0.0	0.8	3.5	-4.3	106	Sequence 106	App1
-93	28.7	1.50	1	0.0	0.8	3.5	-4.3	107	Sequence 107	App1
-94	28.7	1.50	1	0.0	0.8	3.5	-4.3	108	Sequence 108	App1
-95	28.7	1.50	1	0.0	0.8	3.5	-4.3	109	Sequence 109	App1
-96	28.7	1.50	1	0.0	0.8	3.5	-4.3	110	Sequence 110	App1
-97	28.7	1.50	1	0.0	0.8	3.5	-4.3	111	Sequence 111	App1
-98	28.7	1.50	1	0.0	0.8	3.5	-4.3	112	Sequence 112	App1
-99	28.7	1.50	1	0.0	0.8	3.5	-4.3	113	Sequence 113	App1
-100	28.7	1.50	1	0.0	0.8	3.5	-4.3	114	Sequence 114	App1
-101	28.7	1.50	1	0.0	0.8	3.5	-4.3	115	Sequence 115	App1
-102	28.7	1.50	1	0.0	0.8	3.5	-4.3	116	Sequence 116	App1
-103	28.7	1.50	1	0.0	0.8	3.5	-4.3	117	Sequence 117	App1
-104	28.7	1.50	1	0.0	0.8	3.5	-4.3	118	Sequence 118	App1
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-106	28.7	1.50	1	0.0	0.8	3.5	-4.3	120	Sequence 120	App1
-107	28.7	1.50	1	0.0	0.8	3.5	-4.3	121	Sequence 121	App1
-108	28.7	1.50	1	0.0	0.8	3.5	-4.3	122	Sequence 122	App1
-109	28.7	1.50	1	0.0	0.8	3.5	-4.3	123	Sequence 123	App1
-110	28.7	1.50	1	0.0	0.8	3.5	-4.3	124	Sequence 124	App1
-111	28.7	1.50	1	0.0	0.8	3.5	-4.3	125	Sequence 125	App1
-112	28.7	1.50	1	0.0	0.8	3.5	-4.3	126	Sequence 126	App1
-113	28.7	1.50	1	0.0	0.8	3.5	-4.3	127	Sequence 127	App1
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-115	28.7	1.50	1	0.0	0.8	3.5	-4.3	129	Sequence 129	App1
-116	28.7	1.50	1	0.0	0.8	3.5	-4.3	130	Sequence 130	App1
-117	28.7	1.50	1	0.0	0.8	3.5	-4.3	131	Sequence 131	App1
-118	28.7	1.50	1	0.0	0.8	3.5	-4.3	132	Sequence 132	App1
-119	28.7	1.50	1	0.0	0.8	3.5	-4.3	133	Sequence 133	App1
-120	28.7	1.50	1	0.0	0.8	3.5	-4.3	134	Sequence 134	App1
-121	28.7	1.50	1	0.0	0.8	3.5	-4.3	135	Sequence 135	App1
-122	28.7	1.50	1	0.0	0.8	3.5	-4.3	136	Sequence 136	App1
-123	28.7	1.50	1	0.0	0.8	3.5	-4.3	137	Sequence 137	App1
-124	28.7	1.50	1	0.0	0.8	3.5	-4.3	138	Sequence 138	App1
-125	28.7	1.50	1	0.0	0.8	3.5	-4.3	139	Sequence 139	App1
-126	28.7	1.50	1	0.0	0.8	3.5	-4.3	140	Sequence 140	App1
-127	28.7	1.50	1	0.0	0.8	3.5	-4.3	141	Sequence 141	App1
-128	28.7	1.50	1	0.0	0.8	3.5	-4.3	142	Sequence 142	App1
-129	28.7	1.50	1	0.0	0.8	3.5	-4.3	143	Sequence 143	App1
-130	28.7	1.50	1	0.0						

## A.13 COMMENTS

RESULT 1  
US-18-844-280-2

Patent No. 5,747,315

APPLICANT: TAWLOR

NUMBER OF SEQUENCES: 6

**ALL-EST**

ITY. King of Prussia

COUNTRY: USA

COMPUTER FIATABLE FORM

COMPUTER: IBM compatible

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: SOFTWARE: FASTSEQ for Windows Version 2.0

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ADOLPH W. NIMBLE, DOB: 03-04-1880

CLASSIFICATION: ?

ADDITIONAL NUMBER. 7507993.

ATTACHED, SECRET INFORMATION

Publication Number: 36,331

TELECOMMUNICATION INFORMATION:  
TEL: 010-370-4470  
FAX: 010-370-4470

TELEFAX: 610-276-5090

FOR INFORMATION FOR SEE IN NO. 1  
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LINE 587 AM11.0 ACC2

STAPLER: Single  
 LOCK: 1

MO-FILE TYPE: protein

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1. *Chlorophyll a* (Chl *a*)

## References

152

Page No. 34313

Thu Jan 27 11:30:48 2000

us-09-386-591-50.rai

GENERAL INFORMATION:  
APPLICANT: LAWRENCE ELLIOTT H.  
TITLE OF INVENTION: 3. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 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TYPE: amino acid  
STRANDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-702-144-28

Query Match 33.1% Score 45; DB 1; Length 319;  
Best Local Similarity 58.3% Prod No 4.5  
Matches 7; Conservative 3; Mismatches 2; Gaps 0  
CY 3 CILMDRSPK 15  
DB 164 CCMKRRKRRNHHNFI 183

RESULT 5  
US-08-026-758-3  
Patent No. 5750021  
GENERAL INFORMATION:  
APPLICANT: SOBELL, DOUGLAS O.  
TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE  
DISEASES USING ALPHA INTERFERON AND/ OR IL2A INTERFERON  
NUMBER OF SEQUENCES: 26  
CURRENT APPLICATION DATA:  
CLASSIFICATION: 424  
ALLOMNEY/AGENT INFORMATION:  
NAME: OBLION, NO. 5780021man F.  
REGISTRATION NUMBER: 24.518  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248655 OPAT UR  
INFORMATION FOR SEQ ID NO: 26  
SEQUENCE CHARACTERISTICS:  
LENGTH: 185 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: F1  
LOCATION: 24..185  
OTHER INFORMATION: /note="F1N-alpha-D"  
US-08-026-758-3

Query Match 33.1% Score 45; DB 1; Length 189;  
Best Local Similarity 58.3% Prod No 4.5  
Matches 7; Conservative 3; Mismatches 2; Gaps 0  
CY 4 CILMDRSPK 15  
DB 52 CILMDRSPK 63

RESULT 6

US-08-026-758-3  
Patent No. 5750021  
GENERAL INFORMATION:  
APPLICANT: SOBELL, DOUGLAS O.  
TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE  
DISEASES USING ALPHA INTERFERON AND/ OR IL2A INTERFERON  
NUMBER OF SEQUENCES: 26  
CURRENT APPLICATION DATA:  
CLASSIFICATION: 424  
ALLOMNEY/AGENT INFORMATION:  
NAME: OBLION, NO. 5780021man F.  
REGISTRATION NUMBER: 24.518  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248655 OPAT UR  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 185 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 24..185  
OTHER INFORMATION: /note="F1N-alpha-D"  
US-08-026-758-3

Query Match 33.1% Score 45; DB 1; Length 189;  
Best Local Similarity 58.3% Prod No 4.5  
Matches 7; Conservative 3; Mismatches 2; Gaps 0  
CY 4 CILMDRSPK 15  
DB 52 CILMDRSPK 63

RESULT 7  
US-08-026-758-3  
Patent No. 5750021  
GENERAL INFORMATION:  
APPLICANT: SOBELL, DOUGLAS O.  
TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE  
DISEASES USING ALPHA INTERFERON AND/ OR IL2A INTERFERON  
NUMBER OF SEQUENCES: 26  
CURRENT APPLICATION DATA:  
CLASSIFICATION: 424  
ALLOMNEY/AGENT INFORMATION:  
NAME: OBLION, NO. 5780021man F.  
REGISTRATION NUMBER: 24.518  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248655 OPAT UR  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 185 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 24..185  
OTHER INFORMATION: /note="F1N-alpha-D"  
US-08-026-758-3

MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 09-026-758  
 FILING DATE: 1994-06-04  
 CLASSIFICATION: 424  
 ALTERNATIVE: 1000000000  
 NAME: Obion, No. 578002man F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE: 1994-06-04  
 TELEPHONE: (703) 413-8000  
 TELEFAX: (703) 413-8220  
 TELETYPE: 248655 0041 JR  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 189 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 M-TERM TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 24-189  
 OTHER INFORMATION: /n alpha-WA"  
 US-09-026-758-15

Query Match 41.94% Score 42: 18 1: Length 189:  
 Fast Local Similarity 58.3%: Prod. No. 5: 4:  
 Matches 7: Conservative 4: Mismatches 4: Indels 0: Gaps 0:  
 09 4 CILLOMNGCFPK 15  
 11 11111  
 DB 02 CILKXVDFCTQGV 60

RESULT 4  
 US-09-026-758-15  
 Sequence 4: Application US/08026758  
 Patent No. 5780021  
 GENERAL INFORMATION:  
 APPLICANT: SOBEL, DOUGLAS O.  
 TITLE OF INVENTION: A METHOD FOR TREATING ANTICHERON  
 NUMBER OF SEQUENCES: 26  
 ADDRESS: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: U.S.A.  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 09-026-758  
 FILING DATE: 1994-06-04  
 CLASSIFICATION: 424  
 ALTERNATIVE: 1000000000  
 NAME/KEY: Protein  
 LOCATION: 24-189  
 OTHER INFORMATION: /n alpha-WA"  
 US-09-026-758-15

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 638-5000  
 TELEFAX: (202) 638-4810  
 INFORMATION FOR SEQ ID NO: 15:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 162 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: Protein  
 US-09-362-453-15

Query Match 50.94% Score 42: 18 1: Length 162:  
 Fast Local Similarity 58.3%: Prod. No. 5: 5:  
 Matches 7: Conservative 4: Mismatches 2: Indels 0: Gaps 0:  
 09 4 CILLOMNGCFPK 15  
 11 11111  
 DB 25 CILMDRHPGFPQ 36

RESULT 9  
 US-09-026-758-4  
 Sequence 4: Application US/08026758  
 Patent No. 5780021  
 GENERAL INFORMATION:  
 APPLICANT: SOBEL, DOUGLAS O.  
 TITLE OF INVENTION: A METHOD FOR TREATING ANTICHERON  
 NUMBER OF SEQUENCES: 26  
 ADDRESS: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: U.S.A.  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 09-026-758  
 FILING DATE: 1994-06-04  
 CLASSIFICATION: 424  
 ALTERNATIVE: 1000000000  
 NAME/KEY: Protein  
 LOCATION: 24-189  
 OTHER INFORMATION: /n alpha-WA"  
 US-09-026-758-4

Query Match 40.94% Score 42: 18 1: Length 189:  
 Fast Local Similarity 53.3%: Prod. No. 5:  
 Matches 6: Conservative 4: Mismatches 5: Indels 0: Gaps 0:  
 09 1 CILLOMNGCFPK 15

Db 49 LFSCKXHHDFEPQ 63

RESULT 10

US-08-026-758-5

Sequence 5

Patent No. 5780021

GENERAL INFORMATION:

APPLICANT: SOBEL, EUGENIA D.

TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE

TITLE OF INVENTION: METHODS USING ALPHA-INTERFERON AND/OR BETA-INTERFERON

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: ORION, SPIVAK, MCJILLAND, MAIER & NEUSTADT,

ADDRESS: P.O.

STREET: 1755 S. Jefferson Davis Highway, Suite 400

CITY: Arlington

STATE: Virginia

COUNTRY: U.S.A.

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US-08-026-758

FILING DATE: 10/30/98

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Orion, No. 5780021

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 11/27-108-0

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220

TELEX: 248855 OPAT JR

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 189 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLFORM TYPE: protein

FEATURE:

NAME/KEY: Protein

LOCATION: 24,189

OTHER INFORMATION

US-08-026-758-5

Query Match

Best Local Similarity: 53.3%

Matches: 8, Conserved: 2, Mismatches: 5, Gaps: 0

QY 1 LDGILLQMDPFGFRK 15

Db 49 LFSCKXHHDFEPQ 63

RESULT 11

US-08-026-758-5

Sequence 26

Patent No. 5837485

GENERAL INFORMATION:

APPLICANT: Enlian, Karl-Dieter

APPLICANT: Schmitt, Norbert

APPLICANT: Augustin, Johannes

APPLICANT: Engelke, Gernar

APPLICANT: Rosenthal, Ralf

APPLICANT: Kaletta, Corina

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

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APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Wieland, Bernd  
APPLICANT: Kupke, Thomas  
APPLICANT: Jung, G. nther  
APPLICANT: Kellner, Roland  
TITLE OF INVENTION: Biosynthetic Process For the Preparation  
TITLE OF INVENTION: Of Chemical Compounds  
NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:

ADDRESSEE: Stern, Kessler, Goldstein & Fox

STREET: 1100 New York Avenue

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US-08-026-758

FILING DATE: 10/30/98

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US-07-076-791

FILING DATE: 30-APR-1992

ATTORNEY/AGENT INFORMATION:

NAME: Edmund, Robert W.

REGISTRATION NUMBER: 32,893

REFERENCE/DOCKET NUMBER: US-05-000-0002

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 371-2600

TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:

LENGTH: 990 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-026-758-5

Query Match

Best Local Similarity: 39.5%

Matches: 10, Conserved: 4, Mismatches: 8, Gaps: 1

QY 1 LDGILLQMDPFGFRK 15

Db 49 LFSCKXHHDFEPQ 63

RESULT 12

US-08-026-758-5

Sequence 26

Patent No. 5837485

GENERAL INFORMATION:

APPLICANT: Enlian, Karl-Dieter

APPLICANT: Schmitt, Norbert

APPLICANT: Augustin, Johannes

APPLICANT: Engelke, Gernar

APPLICANT: Rosenthal, Ralf

APPLICANT: Kaletta, Corina

APPLICANT: Klein, Cora

APPLICANT: Wieland, Bernd

APPLICANT: Kupke, Thomas

APPLICANT: Jung, G. nther

APPLICANT: Kellner, Roland

APPLICANT: Rosenthal, Ralf

APPLICANT: Engelke, Gernar

APPLICANT: Kaletta, Corina

APPLICANT: Klein, Cora

APPLICANT: Wieland, Bernd

APPLICANT: Kupke, Thomas

APPLICANT: Jung, G. nther

APPLICANT: Kellner, Roland

APPLICANT: Rosenthal, Ralf

APPLICANT: Engelke, Gernar

APPLICANT: Kaletta, Corina

APPLICANT: Klein, Cora

APPLICANT: Wieland, Bernd

APPLICANT: Kupke, Thomas

APPLICANT: Jung, G. nther

APPLICANT: Kellner, Roland

APPLICANT: Rosenthal, Ralf

APPLICANT: Engelke, Gernar

APPLICANT: Kaletta, Corina

APPLICANT: Klein, Cora

APPLICANT: Wieland, Bernd

APPLICANT: Kupke, Thomas

APPLICANT: Jung, G. nther

APPLICANT: Kellner, Roland

APPLICANT: Rosenthal, Ralf

APPLICANT: Klein, Cora

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APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

APPLICANT: Klein, Cora

CITY: Washington  
 STATE: D.C.  
 COUNTRY: U.S.A.  
 ZIP: 20006  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: PC DOS/MS DOS  
 SOFTWARE: Patent to Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 02/004566-061A  
 FILING DATE: 04 OCT 1995  
 CLASSIFICATION: 455  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/592,625  
 FILING DATE: 22 FEB 1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08 01/876,791  
 FILING DATE: 30 APR 1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 02 07/741,234  
 FILING DATE: 31 OCT 1991  
 APPLICATION NUMBER: 02 07/741,234  
 FILING DATE: 31 OCT 1991  
 NAME: Esmond, Robert W.  
 REGISTRATION NUMBER: 42 894  
 REFERENCE KEY: 200004  
 REGISTRATION INFORMATION:  
 TELEPHONE: (202) 571-2600  
 TELEFAX: (202) 571-2600  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 900 amino acids  
 TYPE: amino acid  
 FEATURE: 1  
 US 09-025-758-1

Query Match: 65.9% Score 425 DR 21 Length 900  
 Post Local Similarity: 65.9% Pred No: 66  
 Matches: 70 Conserved: 41 Mismatches: 84 Indels: 4 Gaps: 1

RESULT 14  
 US 09-025-758-1  
 Sequence 1: Application US/09-025-758-1  
 Patent No. 5780021  
 APPLICANT: SOBEL, DOUGLAS O.  
 TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE  
 DISEASES USING ALPHA-INTERFERON AND/OR BETA-INTERFERON  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: DR. N. SPIVAK, McCLELLAND, MAIER & NEUSTADT,  
 ADDRESS: 1705 S. Jefferson Davis Highway, Suite 400  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: PC DOS/MS DOS  
 SOFTWARE: Patent to Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 02/004566-061A  
 FILING DATE: 04 OCT 1995  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Esmond, Robert W.  
 REGISTRATION NUMBER: 42 894  
 REFERENCE KEY: 200004  
 REGISTRATION INFORMATION:  
 TELEPHONE: (202) 571-2600  
 TELEFAX: (202) 571-2600  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 900 amino acids  
 TYPE: amino acid  
 FEATURE: 1  
 US 09-025-758-1

NAME: Olson, No. 5780021man F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 1126-096-0  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000  
 TELEFAX: (703) 413-2220  
 TELEX: 248855 OPAT DR  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 189 amino acids  
 TYPE: amino acid  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 24..189  
 OTHER INFORMATION: /note="11N-alpha consensus"  
 FEATURE:  
 NAME/KEY: Modified-site  
 LOCATION: 55  
 OTHER INFORMATION: /note="The one-letter code at position 55 appears to be a typographical error in table 1 of the specification."  
 OTHER INFORMATION: Specification.  
 FEATURE:  
 NAME/KEY: Modified-site  
 LOCATION: 124  
 OTHER INFORMATION: /note="The one-letter code at position 124 appears to be a typographical error in table 1 of the specification."  
 OTHER INFORMATION: Specification.  
 US 09-025-758-1

Query Match: 30.1% Score 411 DR 11 Length 189  
 Post Local Similarity: 58.3% Pred No: 12  
 Matches: 71 Conserved: 21 Mismatches: 43 Indels: 6 Gaps: 0

C 4 CLLUHHPFK 15  
 US 09-025-758-1  
 Sequence 7: Application US/09-025-758-1  
 Patent No. 5780021  
 APPLICANT: SOBEL, DOUGLAS O.  
 TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE  
 DISEASES USING ALPHA-INTERFERON AND/OR BETA-INTERFERON  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: DR. N. SPIVAK, McCLELLAND, MAIER & NEUSTADT,  
 ADDRESS: 1705 S. Jefferson Davis Highway, Suite 400  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: PC DOS/MS DOS  
 SOFTWARE: Patent to Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 02/004566-061A  
 FILING DATE: 04 OCT 1995  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Esmond, Robert W.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 1126-096-0  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220  
 TELE: 248855 OPAT 07  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 189 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: Protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 24..189  
 OTHER INFORMATION: /note="IFN-alpha-4b"  
 US-08-026-758-7

Query Match 30.1% Score 41; DB 1; Length 189;  
 Best Local Similarity 58.3%; Pred. No. 12;  
 Match 7; Conservation 2; Mismatches 3; Indels 0; Caps 0;  
 07 4 CILLDMDFGPPK 15  
 11111111  
 DB 52 CLKXHDGPPQ 63

RESULT 15  
 US-08-026-758-11  
 Sequence 11 Application US/08026758  
 Patent No. 780021

GENERAL INFORMATION:  
 APPLICANT: SOBEL, DOUGLAS O.  
 TITLE OF INVENTION: A METHOD FOR TREATING AUTOIMMUNE  
 DISEASES USING ALPHA INTERFERON AND/OR BETA-INTERFERON  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: OREGON SPIVAK MCLELLAND MAIER & NEUSTADT,  
 ADDRESS: P.O.  
 STREET: 1755 S. Jefferson Davis Highway, Suite 400  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA: #1.0, Version #1.25  
 APPLICATION NUMBER: US/08026758  
 FILING DATE: 19930305  
 CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:  
 NAME: Oblon, No. 5780021man F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/FIGURE NUMBER: 1126-096-0  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000  
 TELEFAX: (703) 413-2220  
 TELE: 248855 OPAT 07  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 189 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: Protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 24..189  
 OTHER INFORMATION: /note="IFN-alpha-4b"  
 US-08-026-758-11

Query Match 30.1% Score 41; DB 1; Length 189;  
 Best Local Similarity 58.3%; Pred. No. 12;

Matches 1; Conservation 2; Mismatches 3; Indels 0; Caps 0;  
 07 4 CILLDMDFGPPK 15  
 11111111  
 DB 52 CLKXHDGPPQ 63  
 Search completed: January 22, 2000, 03:49:48  
 Job time: 52 sec

Thu Jan 27 11:30:48 2000

us-09-386-591-50.rai

Page 8